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(71) Applicant (for all designated States except US): **M. D'A. FRANCESCO RIONDATO** [IT/IT]; Via S. Matteo, 14, I-36061 Bassano del Grappa (IT).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **RIONDATO, Francesco** [IT/IT]; Via S. Matteo, 14, I-36061 Bassano del Grappa (IT).

(74) Agent: **BETTELLO, Pietro**; Via Col d'Echele, 25, I-36100 Vicenza (IT).

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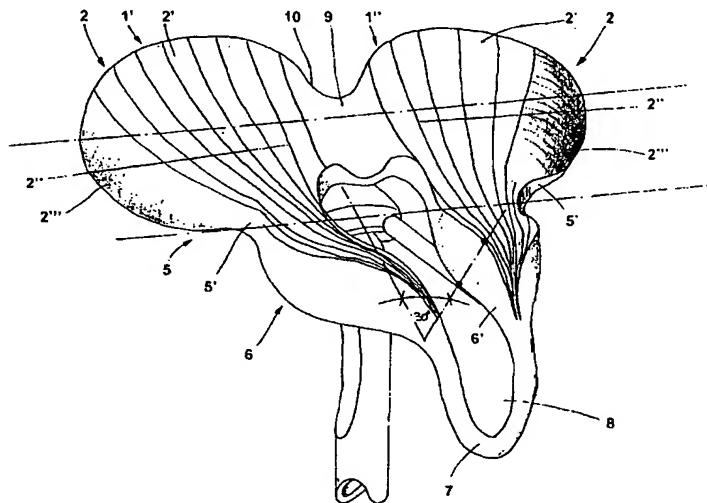
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[Continued on next page]

(54) Title: BICYCLE SADDLE



(57) Abstract: The finding regards a bicycle saddle of the type which has two identical portions (1', 1''), longitudinally symmetrical. Each of these two portions has a rear part (2), a part (5) of transversal middle plane as well as a front part (6). The two portions (1' and 1'') of the saddle are separated, at their intermediate parts (5) and front parts (6), by a channel (8). Thanks to this particular configuration the user arranges his buttocks very comfortably on the rear part of the saddle and avoids the squashing of his pelvic viscera. The saddle according to the finding is suitable both for those who use a bicycle for short journeys and for users who use a bicycle for long journeys like, for example, cycling-lovers and amateur and professional sports people).

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

AMENDED CLAIMS

[received by the International Bureau on 16 August 2004 (16.08.04);
original claims 1-7 replaced by amended claims 1-7]

1. **BICYCLE SADDLE**, of the type which has two indetical portions (1', 1''), longitudinally symmetrical, characterised in that each of said portions has the following component parts:
 - a rear part (2), which has a first rear zone (2') with slight upwards convexity of about 10°-20° with the outer side parts (2'') convex downwards of about 45°-60° to follow the curvature of the buttocks muscles and which continues at the front with a front zone (2''), which has an inclined configuration, wich continues towards the front portions with a depression which varies from 3 to 5 cm;
 - a part (5) of transversal middle plane, which follows the inclined shape of the zones (2''); with side cove-shaped zones (5');
 - a front parts (6), which is lower with respect to the part (2) of about 1-3 cm as well as slightly inclined upwards up to 25°, with it being foreseen that both of the front parts (6), at about half of their longitudinal extension, start to gradually constrict, substantially taking up a V-shaped configuration, with the vertex (7) rounded and going down like an eagle's beak; with it also being foreseen that the two portions (1' and 1'') of the saddle are separated, at their intermediate parts (5) and front parts (6), by a channel (8), much wider at its rear part, with it also being foreseen that the two front zones (2') of the two parts (2) of the saddle are joined together by a narrow trough-shaped portion (9) and that they are shaped so that the rear edge of the saddle has a slight cove (10), actually at the longitudinal axis of symmetry of the saddle itself.
2. **SADDLE**, according to claim 1, characterised in that the front parts (2) are equipped with a bearing (3) made from a soft plastic material, with a bigger trickness on respect of the bearing of the rear parts.
3. **SADDLE**, according to claim 1, characterised in that the rear parts (2) of the two portions (1' and 1'') of the saddle have a

frame (14), with some holes (15) to ease the transpiration of the sweat deriving from the buttocks resting upon it.

4. SADDLE, according to claim 1, characterised in that each of the two front parts (6) of the two portions (1', 1'') are lower with respect to the corresponding parts (2) by about 1-3 cm, being inclined upwards up to about 25°, the overall width of the two parts (6) varying from 6 to 15 cm.
5. SADDLE, according to claim 1, characterised in that the channel (8) has a width which varies from 3 to 5 cm.
6. SADDLE, according to claim 1, characterised in that there is a bearing (16) on the front parts (6) of the two portions (1', 1'') which has a thickness of about 3 cm, made from soft plastic material, said bearings, at their inner zone (6'), which constitutes the edge of the channel (8), having a bevel of about 30°.
7. SADDLE, according to claim 1, characterised in that the seat pillar (17) which supports the aforementioned saddle is arranged so that its vertical axis (18) roughly coincides with the middle plane, in the longitudinal direction, of the parts (2) of the two portions (1', 1'') of the saddle.

STATEMENT UNDER ART. 19

The amendments regard only the original claims 1 and 2.

The other original claims remain unchanged.

In particular we have inserted some particular values of some elements of the invention in order to best specify them.

These values can be derived by the description and/or the drawings originally filed.

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	US 6 149 230 A (BONTRAGER KEITH D) 21 November 2000 (2000-11-21) column 3 - column 5; figures 7-12	1, 2
X	US 6 257 662 B1 (YATES PAUL M) 10 July 2001 (2001-07-10) the whole document	1, 2, 5, 6
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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Jung, W

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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information on patent family members

International Application No

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